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ATCC®

July 2017

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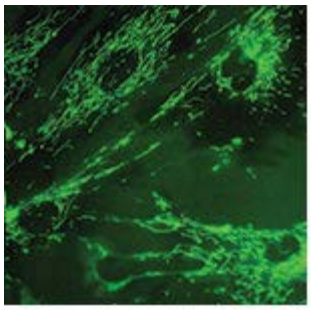
cellpassages



Tumor/Normal Matched Pairs

Tumor-derived cell lines matched to either normal or metastatic cell lines obtained from the same patient provide a valuable resource for cancer studies. ATCC provides Tumor/Normal matched pairs so investigators can easily evaluate the results side by side.

Browse Tumor/Normal Matched Pairs>>

These cell lines can be used to compare normal to tumor cells to monitor:

- Growth rate
- Drug sensitivity/resistance
- Genetic alterations
- Posttranslational modifications

Add CRISPR Interference Cell Lines to Your Toolbox

ATCC has recently added two new CRISPR-based tools with high gene-editing activity to enhance your immunological studies. JX17 cell line (ATCC® CRL-3360™) expresses functional WT-Cas9, while JK28 (ATCC® CRL-3358™) expresses Cas9-KRAB. Both of these Jurkat-derived cell lines display high levels of T cell receptors and CD 28 and undergo efficient T cell activation. These cell lines can be used for CRISPR-based loss-of-function genetic screens. Simply electroporate these

ATCC Photo Contest

ATCC thanks all of the scientists who submitted their images that featured their innovative research and scientific discoveries using ATCC cell lines or microbial strains.

We would like to announce the 6 winners of our 2017 Photo Contest. Over 7,527 votes were submitted for their favorite image, identifying the top 2 most popular photographs for Cell Biology and Microbiology. An awards committee at ATCC identified the top 4 photographs in the scientific excellence category.

cells with guide RNA constructs targeting your gene of choice for a profound knockdown of the target's protein expression.

Order cell line JX17 (ATCC® CRL-3360™)>>

Order cell line JK28 (ATCC® CRL-3358™)>>

View winners>>

ATCC Puzzle

Try this month's crossword puzzle and test your knowledge of cell biology. The solution will appear in next month's issue.

For the solution to last month's toxicology targeting puzzle click here.

Resources

- Tumor/Normal Matched Cell Line Pairs Brochure
- Cell Lines by Gene Mutation Brochure
- Primary Cell Selection Guide
- Cancer Resources

Frequently Asked Questions

Q: How do I determine whether a cell line is tumorigenic?

A: The *in vivo* tumorigenicity and the *in vitro* soft agar assay are two ways to assess the neoplastic properties of a tumor cell line. Normal cells will not grow in soft agar; cells that do grow in soft agar are considered to be anchorage-independent and thus tumorigenic. However, not all cancer cell lines will form tumors in nude or SCID mice; this may possibly be an indication of the differentiation status of the cells.

Have more questions?

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